

Presentation 2

Hangzhou as an Innovation Herb in China

발표 2

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Hangzhou as an innovation herb in China

Chinese Academy of Fiscal Sciences
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ABSTRACT

1. Vigor of Innovation
2. Causes of Vitality
3. Next Steps



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Basic Situation (2016)

	Area (10 000 Sq. km)	Population (10 000 persons)	GDP (100 million US\$)	GDP per capita (US\$)
China	956.29	137866	111991.45	8123.18
Zhe Jiang	10.55	5590	7111.46	12780.09
Korea	10.03	5125	14112.46	27538.81



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Hangzhou: the situation

Hangzhou :

the provincial capital of Zhejiang province;
the center of economy, culture, science and education of the province;
one of the center cities of the Yangtze River Delta.

Hangzhou has:

15.73% of
Area

16.73% of
Population

23.79% of
GDP



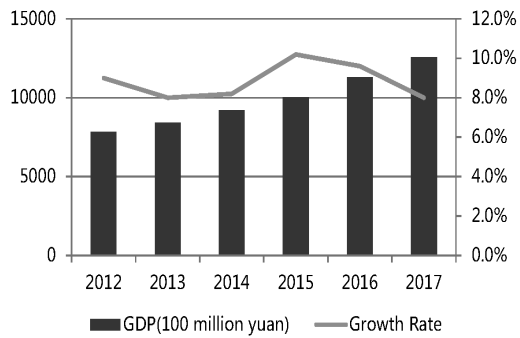


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The dynamism of Hangzhou economy

In 2017:

- GDP of Zhejiang Province: 5176.8 billion RMB Yuan, 4th in China
- GDP of Hangzhou City: Real growth rate of 8% , nominal growth rate of 11%, and 1st in Zhejiang Province



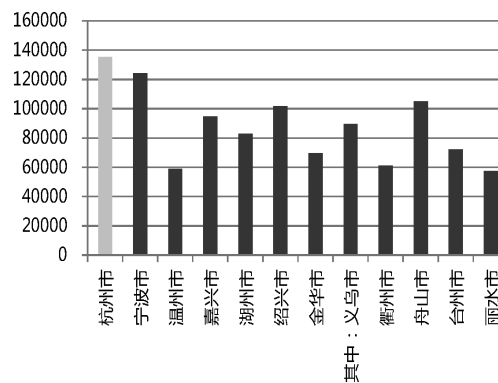
GDP and Growth Rate in Hangzhou (2012-2017)



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The dynamism of the Hangzhou economy

GDP Per Capita in 2017	
National	•59660 yuan
Zhejiang	•92057 yuan
Hangzhou	•135113 yuan



GDP per capita in cities of Zhejiang province in 2017 (Yuan)

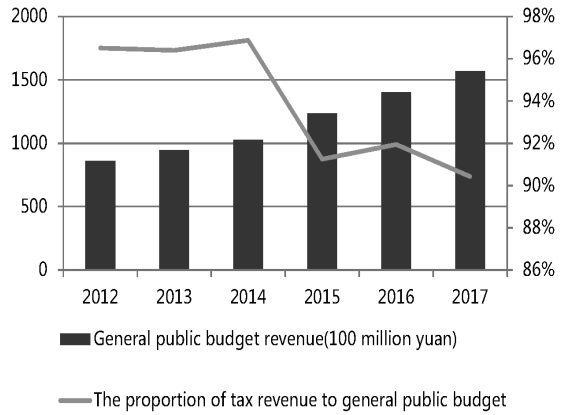


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The dynamism of the Hangzhou economy

The proportion of tax revenue to general public budget revenue

National	•83.65%
Zhejiang	•85.12%
Hangzhou	•90.43%



Tax Revenue and Its Proportion(2012-2017)

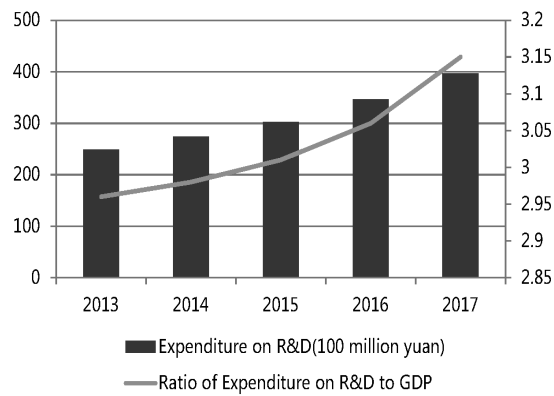


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The dynamism of the Hangzhou economy

Ratio of Expenditure on R&D to GDP

National	•2.13%
Zhejiang	•2.43%
Hangzhou	•3.15%

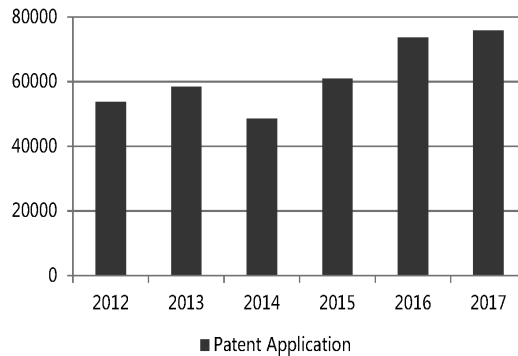


Expenditure on R&D in Hangzhou(2013-2017)



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The dynamism of the Hangzhou economy



Patent Application in Hangzhou(2012-2017) (item)



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The dynamism of the Hangzhou economy

· Hangzhou's private economy is full of vitality

- In 2017, the private economy achieved an added value of 756.1 billion yuan, accounting for 60.2% of GDP
- By the end of 2017, there were 481,000 private enterprises in the city, an increase of 20.1% over the end of the previous year
- Among the top 500 private enterprises in China in 2018, 36 enterprises from hangzhou were selected, ranking first in the country for 16 consecutive times
- By the end of 2017, there were a total of 446,600 small and micro enterprises in hangzhou, with a net increase of 80,700 compared with the previous year. The total number of employees reached 3.611,100. In 2017, 85,000 small and micro enterprises were added, up 28.41% year on year, and the number of newly established enterprises reached a new high.



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The dynamism of the Hangzhou economy

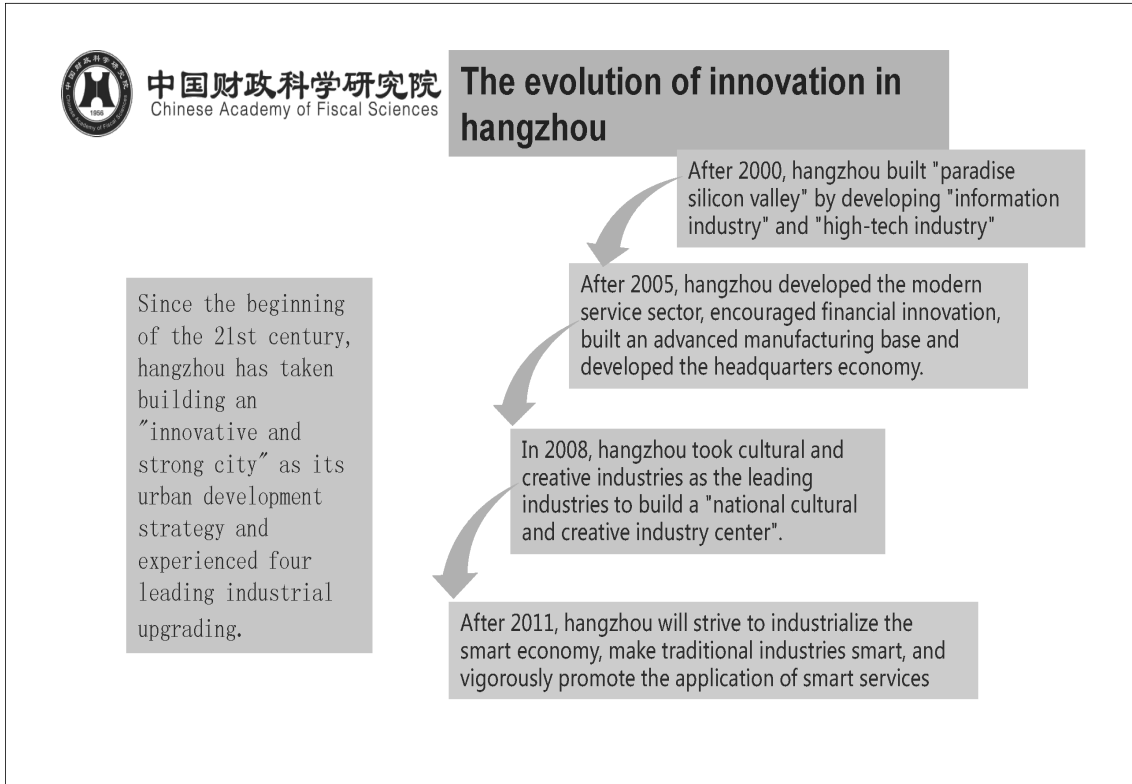
- The "three new" economy, characterized by new industries, new business forms and new models, achieved added value of 425.1 billion yuan in the whole year, up 20.4 percent or 33.9 percent of GDP.
- The information economy achieved an added value of 321.6 billion yuan, up 21.8 percent, or 25.6 percent of GDP, an increase of 1.3 percentage points year on year. Among them, the added value of e-commerce industry reached 131.6 billion yuan, up 36.6%, and the growth rate remained above 30% for seven consecutive years. The added value of cultural and creative industries in the six industrial clusters reached 304.1 billion yuan, up 19.0% and accounting for 24.2% of GDP.
- Employment of college students. Hangzhou has the highest employment satisfaction among the new first-tier cities.
Among the recent three (2015-2017) undergraduate graduates employed in Hangzhou, the proportion from other provinces was the highest, accounting for 55.3%, followed by Tianjin (54.4%), which was higher than that of Guangzhou (45.3%).

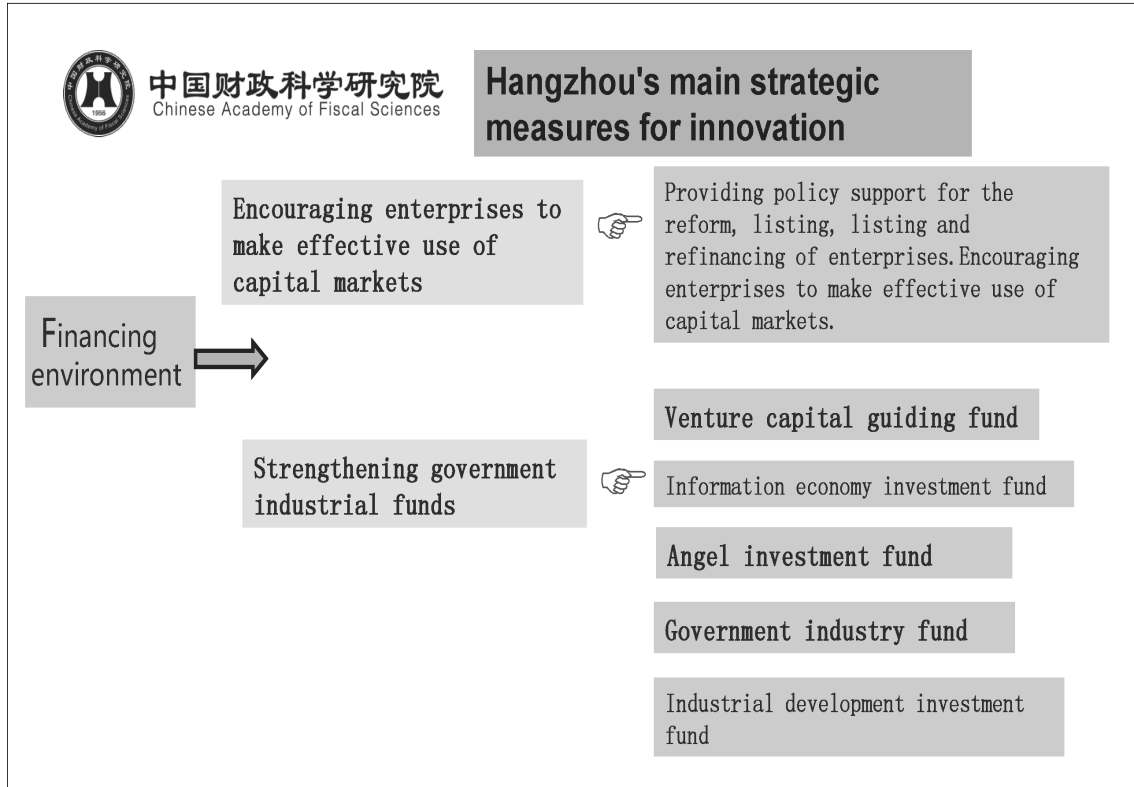


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The dynamism of the Hangzhou economy

	Annual turnover	employees	date of establishment	Business area
Alibaba	250.266 billion yuan (2018 Fiscal year)	86833	1999-09-09	E-commerce, online payment, B2B online trading and cloud computing business, etc.
Hikvision	41.9 billion (2017)	26000	2001	Security system, Intelligent Business and Big Data Service







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Hangzhou's main strategic measures for innovation

platform construction →

Characteristic innovation town construction

Building shannan fund town, yuhang dream town, west lake yunqi town, cloud valley, sensing valley, xixi valley "three towns and three valleys" characteristic town.

Innovation base and mass innovation space

Promoting the professional and international development of innovation platforms such as crowd innovation space, geek space, incubator and accelerator. At present, there are 105 city-level and above crowd innovation Spaces and 113 incubators respectively.

Building a first-class platform for scientific and technological innovation

Accelerating the construction of first-class scientific and technological innovation platforms such as the state key laboratory, the zhijiang laboratory, the national science center and alibaba dharma institute.



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Hangzhou's main strategic measures for innovation

Talent environment →

Raising the standard for rewarding talented people and encouraging researchers to start businesses on a part-time basis

Increasing support and tolerance for innovative technologies and products, and creating an atmosphere that encourages innovation and tolerates failure

形成放权松绑机制。放宽高校引进高层次人才限制。实施人才分类评价，放宽科研项目资金管理

Provide first-class service for talents. Solve the practical problems of high-level talents' houses, cars, children's education and settling down

Arrange special funds for talents. It is used for talent introduction, training, entrepreneurship subsidy, living subsidy and other aspects. For example, the first phase of hangzhou xihu district cashed in shi yigong and other teams of 200 million yuan.





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Why hangzhou can
become the "city of
innovation"



- Cultural tradition
- Developed private economy
- Good political ecology
- Regional advantages
- Natural and cultural environment
- Strong governance capability



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Why hangzhou can become the "city of innovation"

- cultural tradition
- The historical and cultural traditions of "putting equal emphasis on justice and interests" and "commerce and industry are fundamental" have bred the business mind and practical character of zhejiang people. The long history of foreign exchanges and the interaction of diverse cultures have shaped the pioneering spirit and innovative consciousness of zhejiang people.
- Developed private economy
- In 2017, hangzhou's private economy achieved an added value of 756.1 billion yuan, accounting for 60.2% of GDP
- In the first three quarters of 2018, the total value of import and export reached 235.36 billion yuan, accounting for 60.5% of the total value of the city's foreign trade in the same period.
- In 2017, private investment accounted for 56.4% of fixed asset investment
- Among 524,000 market players in hangzhou, 94.1% are private economy players
- There are 23 innovative enterprises valued at more than us \$1 billion in zhejiang province and 22 in hangzhou.



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Why hangzhou can become the "city of innovation"

- Good political ecology

From 2002 to 2007, xi jinping presided over zhejiang province, serving successively as deputy party secretary, party secretary and acting governor of zhejiang province.

In July 2003, xi jinping, then party secretary of zhejiang province, put forward a systematic plan for the future development of zhejiang: namely, to further exert the "eight advantages" and promote the "eight measures", referred to as the "eight eight strategy".



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Important factors in the innovation and development of hangzhou

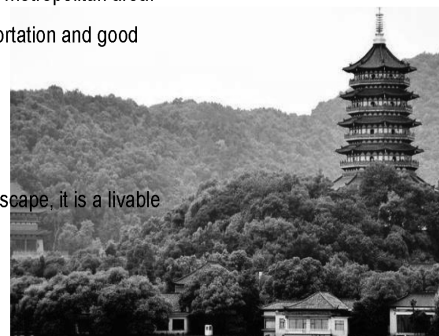
- Regional advantages

Located in the Yangtze river delta economic belt, it forms a metropolitan area centered on hangzhou, attracts and gathers resources from all aspects, and promotes the coordinated development of cities within the metropolitan area.

It is close to Shanghai and ningbo with convenient transportation and good economic atmosphere

- Natural and cultural environment

With beautiful natural scenery and numerous cultural landscape, it is a livable city that attracts people to settle down.



Hangzhou Performance Management Regulations (2015)

- Article XXVIII performance management institutions organize experts and third-party institutions to implement characteristic evaluation on characteristic, innovation and excellence creating projects declared by units in charge of performance.

“3+1” mode in Hangzhou performance management

- According to the *Regulations* just mentioned, the annual performance evaluation will inherit the “3+1” comprehensive evaluation mode implemented since 2005, namely target assessment, social evaluation, leader evaluation as well as innovation and excellence creation.
Performance management institutions at respectively municipal, district and county level will organize and implement all-around and three-dimensional assessment and evaluation on the units in charge of performance from the four aspects mentioned above.





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